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Electronic Patent Application Submission
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EFS ID: 63388
Application ID: 09877371 
Title of Invention: CARBON CATHODE OF A FIELD
EMISSION DISPLAY WITH IN LAID
ISOLATION BARRIER AND
SUPPORT
First Named Inventor: Benjamin Russ
Domestic/Foreign Application: Domestic Application
Filing Date: 2001-06-08
Effective Receipt Date: 2004-06-25
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 2434
Attorney Docket Number: 68581
Total Fees Authorized: 180.0
Payment Category: Deposit Account
Deposit Account Number: 61135
Deposit Account Name: Julie A. Hopper
Access Code: ****
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-06-25
RAM Sequence Number: 18

Digital Certificate Holder: cn=Julie Anne Hopper,ou=Registered Attorneys,ou=Patent and
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 2638fabea78aaa08d6faf2b6e6a1b816ff607353



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| TRANSMITTAL |
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Electronic Version v1.1
Stylesheet Version v1.1.0

| Title of Invention | CARBON CATHODE OF A FIELD EMISSION DISPLAY WITH IN LAID ISOLATION BARRIER AND SUPPORT | | | | | | | | | | | | | | | |
|--|---|----------------|---------------------------|-------------|----------------|--|-------|------------------|--|------------------|--------|-----------------|--|------------|--|------------|
| <p>Application Number: 09/877371 </p> <p>Date: 2001-06-08</p> <p>First Named Applicant: Benjamin Russ</p> <p>Confirmation Number: 2434</p> <p>Attorney Docket Number: 68581</p> | | | | | | | | | | | | | | | | |
| <p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Julie A Hopper Registered Number: 50869</td><td>/jah/</td><td>Agent</td></tr></tbody></table> | | | Submitted by: | Elec. Sign. | Sign. Capacity | Julie A Hopper Registered Number: 50869 | /jah/ | Agent | | | | | | | | |
| Submitted by: | Elec. Sign. | Sign. Capacity | | | | | | | | | | | | | | |
| Julie A Hopper Registered Number: 50869 | /jah/ | Agent | | | | | | | | | | | | | | |
| <table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-fee-sheet</td><td>IDSB-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xml</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr><tr><td>us-ids</td><td>IDSB-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xml</td></tr></table> | | | Documents being submitted | Files | us-fee-sheet | IDSB-usfees.xml | | us-fee-sheet.xml | | us-fee-sheet.dtd | us-ids | IDSB-usidst.xml | | us-ids.dtd | | us-ids.xml |
| Documents being submitted | Files | | | | | | | | | | | | | | | |
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| | us-fee-sheet.dtd | | | | | | | | | | | | | | | |
| us-ids | IDSB-usidst.xml | | | | | | | | | | | | | | | |
| | us-ids.dtd | | | | | | | | | | | | | | | |
| | us-ids.xml | | | | | | | | | | | | | | | |

Comments

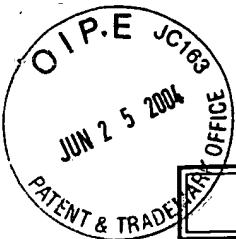
An additional paper IDS containing non US patent references is being submitted concurrently herewith. Therefore, the fee of \$180.00 submitted under 37 CFR 1.17(p) in this submission is sufficient to cover the additional paper IDS submission filed on the same date, June 25, 2004.

**FEE TRANSMITTAL**

Electronic Version v08

Stylesheet Version v08.0

| Title of Invention | CARBON CATHODE OF A FIELD EMISSION DISPLAY WITH IN LAID ISOLATION BARRIER AND SUPPORT | | | | | | | | |
|--|--|-----------------|-------------|-----------|-------------|---|------|-----|-----|
| Application Number: 09/877371  | | | | | | | | | |
| Date: 2001-06-08 | | | | | | | | | |
| First Named Applicant: Benjamin Russ | | | | | | | | | |
| Attorney Docket Number: 68581 | | | | | | | | | |
| Art Unit: 2879 | | | | | | | | | |
| Examiner: Holly R. Harper | | | | | | | | | |
| TOTAL FEE AUTHORIZED \$180 | | | | | | | | | |
| Patent fees are subject to annual revisions on or about October 1st of each year. | | | | | | | | | |
| BASIC FILING FEE | | | | | | | | | |
| <table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table> | | Fee Description | Fee Code | Amount \$ | Fee Paid \$ | Submission Of Information Disclosure Stmt Fee | 1806 | 180 | 180 |
| Fee Description | Fee Code | Amount \$ | Fee Paid \$ | | | | | | |
| Submission Of Information Disclosure Stmt Fee | 1806 | 180 | 180 | | | | | | |
| AUTHORIZED BILLING INFORMATION | | | | | | | | | |
| The commissioner is hereby authorized to charge indicated fees and credit any overpayments to: | | | | | | | | | |
| Deposit account number: 061135 | | | | | | | | | |
| Access Code: **** | | | | | | | | | |
| Deposit name: Fitch, Even, Tabin and Flannery | | | | | | | | | |
| Deposit authorized name: Julie A. Hopper | | | | | | | | | |
| Signature: /jah/ | | | | | | | | | |
| Date (YYYYMMDD): 2004-06-25 | | | | | | | | | |
| Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17. | | | | | | | | | |



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| Title of Invention | CARBON CATHODE OF A FIELD EMISSION DISPLAY WITH IN LAID ISOLATION BARRIER AND SUPPORT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------------|------------|-----------------|------|----------|----------|-------|----------|--|---|---------|------------|-------|--|--|--|--|---|---------|------------|-------|--|--|--|--|---|---------|------------|--------------|--|--|--|--|---|---------|------------|---------|--|--|--|--|---|---------|------------|---------|--|--|--|--|---|---------|------------|-----------------|--|--|--|--|---|---------|------------|---------|--|--|--|--|---|---------|------------|---------|--|--|--|--|---|---------|------------|----------|--|--|--|--|----|---------|------------|--------|--|--|--|--|----|---------|------------|-----|--|--|--|--|----|---------|------------|-------|--|--|--|--|----|---------|------------|---------|--|--|--|--|----|---------|------------|-----|--|--|--|
| <p>Application Number: 09/877371</p> <p>Confirmation Number: 2434</p> <p>First Named Applicant: Benjamin Russ</p> <p>Attorney Docket Number: 68581</p> <p>Art Unit: 2879</p> <p>Examiner: Holly R. Harper</p> <p>Search string: (4857161 or 4940916 or 5311360 or 5614785 or 5689151 or 5773921 or 5949394 or 6004912 or 6031328 or 6153969 or 6354898 or 6489710 or 6650061 or 6670747 or 20030193297 or 20030193296 or 20040007988 or 20040090163).pn.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>4857161</td><td>1989-08-15</td><td>Borel</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4940916</td><td>1990-07-10</td><td>Borel</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5311360</td><td>1994-05-10</td><td>Bloom, et al</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5614785</td><td>1997-03-25</td><td>Wallace</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5689151</td><td>1997-11-18</td><td>Wallace</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5773921</td><td>1998-06-30</td><td>Keesmann, et al</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5949394</td><td>1999-09-07</td><td>Kishino</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>6004912</td><td>1999-12-21</td><td>Gudeman</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>6031328</td><td>2000-02-29</td><td>Nakamoto</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>6153969</td><td>2000-11-28</td><td>Levine</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>6354898</td><td>2002-03-12</td><td>Kim</td><td></td><td></td><td></td></tr><tr><td></td><td>12</td><td>6489710</td><td>2002-12-03</td><td>Okita</td><td></td><td></td><td></td></tr><tr><td></td><td>13</td><td>6650061</td><td>2003-11-18</td><td>Urayama</td><td></td><td></td><td></td></tr><tr><td></td><td>14</td><td>6670747</td><td>2003-12-30</td><td>Ito</td><td></td><td></td><td></td></tr></tbody></table> | | init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | | 1 | 4857161 | 1989-08-15 | Borel | | | | | 2 | 4940916 | 1990-07-10 | Borel | | | | | 3 | 5311360 | 1994-05-10 | Bloom, et al | | | | | 4 | 5614785 | 1997-03-25 | Wallace | | | | | 5 | 5689151 | 1997-11-18 | Wallace | | | | | 6 | 5773921 | 1998-06-30 | Keesmann, et al | | | | | 7 | 5949394 | 1999-09-07 | Kishino | | | | | 8 | 6004912 | 1999-12-21 | Gudeman | | | | | 9 | 6031328 | 2000-02-29 | Nakamoto | | | | | 10 | 6153969 | 2000-11-28 | Levine | | | | | 11 | 6354898 | 2002-03-12 | Kim | | | | | 12 | 6489710 | 2002-12-03 | Okita | | | | | 13 | 6650061 | 2003-11-18 | Urayama | | | | | 14 | 6670747 | 2003-12-30 | Ito | | | |
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| | 3 | 5311360 | 1994-05-10 | Bloom, et al | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 5614785 | 1997-03-25 | Wallace | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | 5689151 | 1997-11-18 | Wallace | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | 5773921 | 1998-06-30 | Keesmann, et al | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 5949394 | 1999-09-07 | Kishino | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | 6004912 | 1999-12-21 | Gudeman | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | 6031328 | 2000-02-29 | Nakamoto | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 6153969 | 2000-11-28 | Levine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | 6354898 | 2002-03-12 | Kim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | 6489710 | 2002-12-03 | Okita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|---------------|------|-------|----------|
| | 1 | 20030193297 | 2003-10-16 | Russ, et al | | | |
| | 2 | 20030193296 | 2003-10-16 | Russ, et al | | | |
| | 3 | 20040007988 | 2004-01-15 | Barger, et al | | | |
| | 4 | 20040090163 | 2004-05-13 | Russ, et al | | | |

Signature

| Examiner Name | Date |
|---------------|------|
| | |